

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/661,400
		Filing Date	September 12, 2003
		First Named Inventor	
		Art Unit	3774
		Examiner Name	Paul B. Prebilit
Sheet	1	of	11
		Attorney Docket Number	026322-002910US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	1	4,078,564	03-14-1978	Spina et al.	
	2	4,126,904	11-28-1978	Shepard	
	3	4,223,984	09-23-1980	Miyata et al.	
	4	4,268,131	05-19-1981	Miyata et al.	
	5	4,346,482	08-31-1982	Tennant et al.	
	6	4,452,776	06-05-1984	Refojo	
	7	4,452,925	06-05-1984	Kuzma et al.	
	8	4,563,779	01-14-1986	Kelman	
	9	4,581,030	04-08-1986	Bruns et al.	
	10	4,600,533	07-15-1986	Chu	
	11	4,621,912	11-11-1986	Meyer	
	12	4,624,669	11-25-1986	Grendahl	
	13	4,655,980	04-07-1987	Chu	
	14	4,689,399	08-25-1987	Chu	
	15	4,693,715	09-15-1987	Abel, Jr.	
	16	4,725,671	02-16-1988	Chu et al.	
	17	4,784,485	11-15-1988	Ho	
	18	4,799,931	01-24-1989	Lindstrom	
	19	4,834,748	05-30-1989	McDonald	
	20	4,851,003	07-25-1989	Lindstrom	
	21	4,923,467	05-06-1990	Thompson	
	22	4,952,212	08-28-1990	Booth et al.	
	23	4,973,493	11-27-1990	Guire	
	24	4,978,713	12-18-1990	Goldenberg	
	25	4,979,959	12-25-1990	Guire	
	26	4,981,841	01-01-1991	Gibson	
	27	4,994,081	02-19-1991	Civerchia	
	28	5,019,097	05-28-1991	Knight et al.	
	29	5,104,408	04-14-1992	Thompson	
	30	5,108,428	04-28-1992	Capecchi et al.	
	31	5,112,350	05-12-1992	Civerchia	
	32	5,114,627	05-19-1992	Civerchia	
	33	5,151,310	09-29-1992	Yanagisawa et al.	
	34	5,156,622	10-20-1992	Thompson	
	35	5,163,956	11-17-1992	Liu et al.	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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		Number Kind Code ² (if known)			
	36	5,196,027	03-23-1993	Thompson et al.	
	37	5,201,764	04-13-1993	Kelman et al.	
	38	5,213,720	05-25-1993	Civerchia	
	39	5,244,799	09-14-1993	Anderson	
	40	5,263,992	11-23-1993	Guire	
	41	5,288,436	02-22-1994	Liu et al.	
	42	5,292,514	03-08-1994	Capecchi et al.	
	43	5,475,052	12-12-1995	Rhee et al.	
	44	5,489,300	02-06-1996	Capecchi et al.	
	45	5,496,339	03-05-1996	Koepnick	
	46	5,522,888	06-04-1996	Civerchia	
	47	5,552,452	09-03-1996	Khadem et al.	
	48	5,565,519	10-15-1996	Rhee et al.	
	49	5,614,587	03-25-1997	Rhee et al.	
	50	5,632,773	05-27-1997	Graham et al.	
	51	5,690,657	11-25-1997	Koepnick	
	52	5,716,633	02-10-1998	Civerchia	
	53	5,744,545	04-28-1998	Rhee et al.	
	54	5,800,541	09-01-1998	Rhee et al.	
	55	5,832,313	11-03-1998	Ishibashi et al.	
	56	6,015,609	01-18-2000	Chaouk et al.	
	57	6,055,990	05-02-2000	Thompson	
	58	6,060,530	05-09-2000	Chaouk et al.	
	59	6,071,293	06-06-2000	Krumeich	
	60	6,086,204	07-11-2000	Magnante	
	61	6,090,995	07-18-2000	Reich et al.	
	62	6,165,488	12-26-2000	Tardy et al.	
	63	6,186,148	02-13-2001	Okada	
	64	6,454,800	09-24-2002	Dalton et al.	
	65	6,547,391	04-15-2003	Ross III et al.	
	66	6,579,918	06-17-2003	Auten et al.	
	67	6,607,522	08-19-2003	Hamblin et al.	
	68	6,645,715	11-11-2003	Griffith et al.	
	69	6,689,165	02-10-2004	Jacob et al.	
	70	6,702,807	03-09-2004	Peyman	

Examiner Signature	Date Considered
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		Number Kind Code ² (if known)			
	71	6,717,651	04-06-2004	Kato et al.	
	72	6,773,442	08-10-2004	Pallikaris et al.	
	73	7,004,953	02-28-2006	Pallikaris et al.	
	74	7,053,051	05-30-2006	Pallikaris et al.	
	75	7,077,839	07-18-2006	Hamblin et al.	
	76	7,156,859	01-02-2007	Pallikaris et al.	
	77	7,166,118	01-23-2007	Dame et al.	
	78	2001/0047203	11-29-2001	Dalton et al.	
	79	2002/0022013	02-21-2002	Leukel et al.	
	80	2002/0052615	05-02-2002	Ross et al.	
	81	2002/0071097	06-13-2002	Ross III et al.	
	82	2003/0018123	01-23-2003	Bagrov et al.	
	83	2003/0105521	06-05-2003	Perez	
	84	2004/0046287	03-11-2004	Andino et al.	
	85	2004/0075807	04-22-2004	Ho et al.	
	86	2004/0125459	07-01-2004	Tanitsu et al.	
	87	2004/0170666	09-02-2004	Keates et al.	
	88	2004/0183998	09-23-2004	Luce	
	89	2004/0243160	12-02-2004	Shiuey et al.	
	90	2005/0070942	03-31-2005	Perez	
	91	2005/0124982	06-09-2005	Perez	
	92	2005/0196427	09-08-2005	Tirrell et al.	
	93	2005/0251185	11-10-2005	Gebauerl	
	94	2005/0259221	11-24-2005	Marmo	
	95	2006/0034807	02-16-2006	Griffith	
	96	2006/0052796	03-09-2006	Perez et al.	
	97	2006/0064112	03-23-2006	Perez	
	98	2006/0071356	04-06-2006	Beebe	
	99	2006/0134050	06-22-2006	Griffith et al.	
	100	2006/0134170	06-22-2006	Griffith et al.	
	101	2006/0190004	08-24-2006	Dick et al.	
	102	2006/0241751	10-26-2006	Marmo et al.	
	103	2006/0246113	11-02-2006	Griffith et al.	
	104	2006/0247660	11-02-2006	Perez	
	105	2007/0016292	01-18-2007	Perez	
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		Number	Kind Code ² (if known)			
	106	2007/0026046		02-01-2007	Fogg et al.	
	107	2007/0182920		08-09-2007	Back et al.	
	108	2007/0239184		10-11-2007	Gaeckle et al.	
	109	2007/0265649		11-15-2007	Perez	
	110	2008/0024723		01-31-2008	Marmo	
	111	2008/0269119		10-30-2008	Griffith	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	112	DE	199 47 711		05-03-2001	SCHRAGE NORBERT	ENGLISH ABSTRACT ONLY	<input type="checkbox"/>
	113	CA	2,134,744		05-04-1995	COLLAGEN CORP		<input type="checkbox"/>
	114	CA	2,286,718		11-05-1998	PEYMAN GHOLAM A		<input type="checkbox"/>
	115	CA	2,227,827		07-23-1999	UNIV D OTTAWA UNIVERSITY OF OT		<input type="checkbox"/>
	116	EP	1 530 600	B1	05-18-2005	OTTAWA HEALTH RESEARCH INSTITUTE		<input type="checkbox"/>
	117	EP	1 741 457	A1	01-10-2007	OTTAWA HEALTH RESEARCH INSTITUTE		<input type="checkbox"/>
	118	GB	1 569 707		06-18-1980	ICI LTD		<input type="checkbox"/>
	119	WO	88/02622		04-21-1988	CBS LENS		<input type="checkbox"/>
	120	WO	92/14420		09-03-1992	CBS LENS		<input type="checkbox"/>
	121	WO	95/13764		05-26-1995	CIBA GEIGY AG		<input type="checkbox"/>
	122	WO	96/03267		01-29-1998	ELECTROSOLS LTD		<input type="checkbox"/>
	123	WO	00/35524		06-22-2000	ELECTROSOLS LTD		<input type="checkbox"/>
	124	WO	00/67694		11-16-2000	MEDTRONIC, INC.		<input type="checkbox"/>
	125	WO	02/092142		11-21-2002	ELECTROSOLS LTD		<input type="checkbox"/>
	126	WO	02/092142	A3	11-21-2002	ELECTROSOLS LTD		<input type="checkbox"/>
	127	WO	2004/024035		03-25-2004	OCULAR SCIENCES, INC.		<input type="checkbox"/>
	128	WO	2004/028356		04-08-2004	BAUSCH & LOMB		<input type="checkbox"/>
	129	WO	2004/052254		06-24-2004	NOVARTIS AG		<input type="checkbox"/>

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	130	WO	2005/030102		PEREZ	
	131	WO	2005/042043		MEDTRONIC INC	
	132	WO	2005/049071	A2	PEREZ	
	133	WO	2005/116729		COOPERVISION, INC.	
	134	WO	2006/007408		PEREZ	
	135	WO	2006/015490		OTTAWA HEALTH RESEARCH INSTITUTE	
	136	WO	2006/020859	A2	OTTAWA HEALTH RESEARCH INSTITUTE	
	137	WO	2006/116601		TISSUE ENGINEERING REFRACTION	
	138	WO	2006/116732		TISSUE ENGINEERING REFRACTION	
	139	WO	2007/028258		OTTAWA HEALTH RESEARCH INSTITUTE	

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	140	AHMED et al., "Characterization and inhibition of fibrin hydrogel-degrading enzymes during development of tissue engineering scaffolds," Tissue Eng. 2007 Jul;13(7):1469-77.	<input type="checkbox"/>
	141	BLOWSKI et al., "Corneal Lathing Using the Excimer Laser and a Computer-controlled Positioning System," J Refract Surg. 2000 Jan-Feb;16(1):23-31.	<input type="checkbox"/>
	142	BLAIS et al., "LBP and CD14 secreted in tears by the lacrimal glands modulate the LPS response of corneal epithelial cells," Invest Ophthalmol Vis Sci. 2005 Nov;46(11):4235-44.	<input type="checkbox"/>
	143	BLOOMFIELD et al., "The use of Eastman 910 monomer as an adhesive in ocular surgery. I. Biologic effects on ocular tissues," Am J Ophthalmol. 1963 Apr;55:742-748.	<input type="checkbox"/>
	144	BONATTI et al., "A fibrin-related line of research and theoretical possibilities for the use of fibrin glue as a temporary basal membrane in non-perforated corneal ulcers and in photorefractive keratectomy (PRK)-operated corneas," Arq Bras Oftalmol. 2007 Sep-Oct;70(5):884-889.	<input type="checkbox"/>
	145	BOURNE, "Clinical estimation of corneal endothelial pump function," Trans Am Ophthalmol Soc. 1998; 96: 229-242.	<input type="checkbox"/>
	146	CARLSSON et al., "Bioengineered corneas: how close are we?" Curr Opin Ophthalmol. 2003 Aug;14(4):192-197.	<input type="checkbox"/>
	147	Controlled Release Society Newsletter, 2005; 22(2): 1-36.	<input type="checkbox"/>
	148	COX, "Correcting Ocular Wavefront Aberrations using Contact Lenses", University of Bradford, downloaded from the Internet:<< http://www.brad.ac.uk/acad/lifesci/optometry/index.php/Projects/CorrectingOcularWavefrontAberrationsUsingContactLenses >>, Last modified 7 October 2003.	<input type="checkbox"/>
	149	DELUSTRO et al., "A comparative study of the biologic and immunologic response to medical devices derived from dermal collagen," J Biomed Mater Res. 1986 Jan;20(1):109-120.	<input type="checkbox"/>

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--------------------	-----------------

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	150	DOHLMAN et al., "Further experience with glued-on contact lens (artificial epithelium)," Arch Ophthalmol. 1970 Jan;83(1):10-20.	<input type="checkbox"/>		
	151	DOHLMAN et al., "Replacement of the corneal epithelium with a contact lens (artificial epithelium)," Trans Am Acad Ophthalmol Otolaryngol. 1969 May-Jun;73(3):482-493.	<input type="checkbox"/>		
	152	DOILLON et al., "A collagen-based scaffold for a tissue engineered human cornea: physical and physiological properties," Int J Artif Organs. 2003 Aug;26(8):764-773.	<input type="checkbox"/>		
	153	DRAVIDA et al., "A biomimetic scaffold for culturing limbal stem cells: a promising alternative for clinical transplantation," J Tissue Eng Regen Med. 2008 Jul;2(5):263-271.	<input type="checkbox"/>		
	154	DUAN et al., "Biofunctionalization of collagen for improved biological response: scaffolds for corneal tissue engineering," Biomaterials. 2007 Jan;28(1): 78-88.	<input type="checkbox"/>		
	155	ENGEL et al., "Repair of a Traumatic Scleral Rupture With Scleral Imbrication and BioGlue," Retina. 2007 Apr-May;27(4):505-8.	<input type="checkbox"/>		
	156	EPIFIX [Brochure]. Surgical Biologics, downloaded from the Internet: <<http://http://www.surgicalbio.com/pdf/surgical_biologics_epifix_brochure.pdf>>, 2 pages total.	<input type="checkbox"/>		
	157	EVANS et al. "Epithelialization of a Synthetic Polymer in the Feline Cornea: a Preliminary Study," Invest. Ophthalmol. Vis. Sci. 2000, 41(7):1674-1680.	<input type="checkbox"/>		
	158	EVANS et al., "A review of the development of a synthetic corneal onlay for refractive correction," Biomaterials. 2001 Dec;22(24):3319-3328.	<input type="checkbox"/>		
	159	EVANS et al., "Progress in the development of a synthetic corneal onlay," Invest. Ophthalmol. Vis. Sci. 2002; 43(10): 3196-3201.	<input type="checkbox"/>		
	160	GRIFFITH et al., "Artificial human corneas: Scaffolds for transplantation and host regeneration" Cornea. 2002 Oct;21(7 Suppl): S54-61	<input type="checkbox"/>		
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	161	GRIFFITH et al., "Functional Human Corneal Equivalents Constructed from Cell Lines," Science 10 December 1999, 286(5447):2169-2172.	<input type="checkbox"/>
	162	HOMOLKA et al., "Laser shaping of corneal transplants in vitro: area ablation with small overlapping laser spots produced by a pulsed scanning laser beam using an optimizing ablation algorithm," Phys. Med. Biol. 1999, 44:1169-1180	<input type="checkbox"/>
	163	Ibrahim-Elzembely, "Human fibrin tissue glue for corneal lamellar adhesion in rabbits: a preliminary study," Cornea. 2003 Nov;22(8):735-739.	<input type="checkbox"/>
	164	JONES et al., "Silicone Hydrogel Contact Lens Materials Update - Part 1", downloaded from the Internet: << http://www.siliconehydrogels.com/editorials/index_july.asp >>, July 2004, 4 pages total.	<input type="checkbox"/>
	165	JONES et al., "Silicone Hydrogel Contact Lens Materials Update - Part 2", downloaded from the Internet: << http://www.siliconehydrogels.com/editorials/index_august.asp >>, August 2004, 4 pages total.	<input type="checkbox"/>
	166	KAMINSKI et al., "Ten-year follow-up of epikeratophakia for the correction of high myopia," Ophthalmology. 2003 Nov;110(11):2147-2152.	<input type="checkbox"/>
	167	KAUFMAN et al., "Human fibrin tissue adhesive for sutureless lamellar keratoplasty and scleral patch adhesion a pilot study," Ophthalmology, 110(11): 2168-2172.	<input type="checkbox"/>
	168	KHADEM et al., "Healing of perforating rat corneal incisions closed with photodynamic laser-activated tissue glue," Lasers in surgery and medicine 2004;35(4):304-311.	<input type="checkbox"/>
	169	KLENKLER et al., "EGF-grafted PDMS surfaces in artificial cornea," Biomaterials. 2005 Dec;26(35):7286-96.	<input type="checkbox"/>
	170	LAGALI et al., "Innervation of tissue-engineered corneal implants in a porcine model: a 1-year in vivo confocal microscopy study," Invest Ophthalmol Vis Sci. 2007 Aug;48(8): 3537-3544.	<input type="checkbox"/>
	171	LAGALI et al., "Innervation of tissue-engineered recombinant human collagen-based corneal substitutes: a comparative in vivo confocal microscopy study," Invest Ophthalmol Vis Sci. 2008 Sep;49(9): 3895-902.	<input type="checkbox"/>
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		Filing Date	September 12, 2003
		First Named Inventor	
		Art Unit	3774
		Examiner Name	Paul B. Prebille
Sheet	9	of	11
		Attorney Docket Number	026322-002910US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	172	LATKANY et al., "Plasma surface modification of artificial corneas for optimal epithelialization," J. Biomed Mater Res 1997; 36(1):29-37.	<input type="checkbox"/>
	173	LEKSKUL et al., "CxGELSIX: a novel preparation of type VI collagen with possible use as a biomaterial," mea. 2000 Mar;19(2):194-203.	<input type="checkbox"/>
	174	Li et al., "Cellular and nerve regeneration within a biosynthetic extracellular matrix for corneal transplantation," Proc Natl Acad Sci U S A. 2003 Dec 23;100(26): 15346-15351.	<input type="checkbox"/>
	175	Li et al., "Recruitment of multiple cell lines by collagen-synthetic copolymer matrices in corneal regeneration," Biomaterials. 2005 Jun;26(16):3093-3104.	<input type="checkbox"/>
	176	LIU et al., "A simple, cross-linked collagen tissue substitute for corneal implantation," Invest Ophthalmol Vis Sci. 2006 May;47(5): 1869-1875.	<input type="checkbox"/>
	177	LIU et al., "Alginate microsphere-collagen composite hydrogel for ocular drug delivery and implantation," J Mater Sci Mater Med. 2008 Nov;19(11): 3365-3371.	<input type="checkbox"/>
	178	LIU et al., "Immunological responses in mice to full-thickness corneal grafts engineered from porcine collagen," Biomaterials 2007 Sep;28(26): 3807-3814.	<input type="checkbox"/>
	179	LIU et al., "Properties of porcine and recombinant human collagen matrices for optically clear tissue engineering applications," Biomacromolecules. 2006 Jun;7(6):1819-1828.	<input type="checkbox"/>
	180	LIU et al., "Recombinant human collagen for tissue engineered corneal substitutes," Biomaterials. 2008 Mar;29(9): 1147-1158.	<input type="checkbox"/>
	181	MATTEINI et al., "Microscopic characterization of collagen modifications induced by low-temperature diode-laser welding of corneal tissue," Lasers in surgery and medicine 2007;39(7):597-604.	<input type="checkbox"/>
	182	MAURY et al., "In-vitro development of corneal epithelial cells on a new hydrogel for epikeratoplasty," J Mater Sci Mater Med. 1997 Sep;8(9):571-576	<input type="checkbox"/>
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	183	MCDONALD, "The future direction of refractive surgery," J Refract Surg 1988; 4(5):158-168.	<input type="checkbox"/>
	184	McLaughlin et al., "Regeneration of corneal cells and nerves in an implanted collagen corneal substitute," Cornea. 2008 Jun;27(5): 580-589.	<input type="checkbox"/>
	185	MENABUONI et al., "Laser-assisted corneal welding in cataract surgery: Retrospective study," J Cataract Refract Surg. 2007 Sep;33(9):1608-1612.	<input type="checkbox"/>
	186	MERRETT et al., "Tissue-engineered recombinant human collagen-based corneal substitutes for implantation: performance of type I versus type III collagen," Invest Ophthalmol Vis Sci. 2008 Sep;49(9): 3887-3894.	<input type="checkbox"/>
	187	MOORE et al., "Fate of lyophilized xenogeneic corneal lenticules in intrastromal implantation and epikeratophakia," Invest Ophthalmol Vis Sci. 1987 Mar;28(3):555-559.	<input type="checkbox"/>
	188	NAKAMURA, "Histopathological and immunohistochemical studies of lenticules after epikeratoplasty for keratoconus," British Journal of Ophthalmology 2005;89:841-846.	<input type="checkbox"/>
	189	PIERCE Crosslinking Reagents Technical HandBook, pp. 16-23. downloaded from the Internet:<<http://www.piercenet.com/files/1601361Crosslink.pdf.>>	<input type="checkbox"/>
	190	RAFAT et al., "PEG-stabilized carbodiimide crosslinked collagen-chitosan hydrogels for corneal tissue engineering," Biomaterials. 2008 Oct;29(29): 3960-3972.	<input type="checkbox"/>
	191	RAFAT et al., "Surface modification of collagen-based artificial cornea for reduced endothelialization" J Biomed Mater Res A. 2008 Mar 20. [Epub ahead of print]	<input type="checkbox"/>
	192	RICHARDS et al., "The relation of the corneal surface to the permanence of glued-on contact lenses," Can J Ophthalmol. 1971 Apr;6(2):98-103.	<input type="checkbox"/>
	193	Ruben "Adhesive keratoprosthesis," Trans Ophthalmol Soc U K. 1970;90:551-564.	<input type="checkbox"/>
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	194	SCHMITZ, 'Excimer laser "corneal shaping": a new technique for customized trephination in penetrating keratoplasty,' Graefes' Archive for Clinical and Experimental Ophthalmology, 2003 May; 241:423-431	<input type="checkbox"/>
	195	STENZEL et al., "Collagen as a biomaterial," Annu. Rev. Biophys. Bioeng. 1974; 3:231-253	<input type="checkbox"/>
	196	SUURONEN et al., "Functional innervation in tissue engineered models for in vitro study and testing purposes," Toxicol Sci. 2004 Dec;82(2):525-533.	<input type="checkbox"/>
	197	SUURONEN et al., "Innervated human corneal equivalents as in vitro models for nerve-target cell interactions," The FASEB Journal. 2004;18:170-172.	<input type="checkbox"/>
	198	SUURONEN et al., "Tissue-engineered injectable collagen-based matrices for improved cell delivery and vascularization of ischemic tissue using CD133+ progenitors expanded from the peripheral blood," Circulation. 2006 Jul 4;114(1 Suppl):1138-44	<input type="checkbox"/>
	199	SWEENEY et al., "A synthetic polymer as a corneal onlay," [ARVO Abstract] Invest Ophthalmol Vis Sci 40(4),S638Abstract nr 3361.	<input type="checkbox"/>
	200	TRINKAUS-RANDALL et al. "Implantation of a synthetic cornea: design, development and biological response," Artif Organs. 1997 Nov;21(11):1185-1191.	<input type="checkbox"/>
	201	VASCOTTO et al., "Localization of candidate stem and progenitor cell markers within the human cornea, limbus, and bulbar conjunctiva in vivo and in cell culture," Anat Rec A Discov Mol Cell Evol Biol. 2006 Aug;288(8):921-931.	<input type="checkbox"/>
	202	VINCIGUERRA et al., "Butterfly laser epithelial keratomileusis for myopia," Journal of refractive surgery 2002;18(3 Suppl):S371-3.	<input type="checkbox"/>
	203	U.S. Patent Application 60/715411, filed 09-09-2005.	<input type="checkbox"/>

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